

What is Claimed Is:

1. Anhydrous mirtazapine crystals having a water-content of not more than 0.5% by weight.
2. The anhydrous mirtazapine crystals according to claim 1, wherein the crystals have characteristic diffraction peaks in the X-ray diffraction pattern, when angles of diffraction ( $2\theta$ ) are 9.14, 9.38, 14.16, 18.46, 18.56 and 20.56.